

Amendments to the Claims

Claims 1-17 (Cancelled).

18. (Currently Amended) Method for the manufacture of an angular transducer unit for an angular switching device, comprising:

inserting and fixing a transducer element in an angled bush, wherein the angled bush comprises a tubular component having an axial direction and an opening opening transversely to the axial direction for receiving the transducer element, the inserting and fixing of the transducer element in the angled bush comprising:

bringing the transducer element into aligned engagement with a transducer receptacle in a tool,

inserting or engaging a bush centring device in a body of the tool to form a bush receptacle,

bringing the bush into an aligned, at least partial engagement with ~~the~~ the bush receptacle in the tool, to position the bush with respect to the transducer element,

fixing the transducer element in the bush, and

at least partially forming the transducer receptacle by inserting or engaging a transducer centring device in ~~the~~ the tool body ~~of the tool~~.

19. (Cancelled).

20. (Previously Presented) Method according to claim 18, further comprising fixing the transducer element relative to the tool.

21. (Previously Presented) Method according to claim 20, wherein the fixing of the transducer element is provided using at least one of: vacuum, adhesives, adhesive tapes, or magnets.
22. (Previously Presented) Method according to claim 18, further comprising fixing the transducer centring device relative to the tool body.
23. (Previously Presented) Method according to claim 19, further comprising fixing the bush centring device relative to the tool body.
24. (Previously Presented) Method according to claim 22, wherein the fixing of the transducer centring device is provided using at least one of: adhesives, adhesive tapes, vacuum, or magnets.
25. (Previously Presented) Method according to claim 23, wherein the fixing of the bush centring device is provided using at least one of: adhesives, adhesive tapes, vacuum, or magnets.
26. (Previously Presented) Method according to claim 21, further comprising sucking the transducer element onto the tool by means of at least one vacuum duct in the tool body.
27. (Previously Presented) Method according to claim 26, wherein a pressure compensation takes place on radially outer areas of the sucked on transducer element by means of compensating ducts in the tool body.
28. (Previously Presented) Method according to claim 18, further comprising removing the transducer centring device prior to fixing the transducer element in the bush.

29. (Previously Presented) Method according to claim 18, wherein the fixing of the transducer element in the bush is provided by at least partly filling gaps with at least one of: foam or moulding material.
30. (Previously Presented) Method according to claim 18, wherein use is made of a tool with steps, which as a stop engages with at least one of: a front end or a setback shoulder of the bush.
31. (Previously Presented) Method according to claim 18, further comprising manufacturing several transducer units in parallel using a plurality of transducer receptacles and bush receptacles.
32. (Previously Presented) Method according to claim 18, further comprising fixing the bush relative to the tool.
33. (Previously Presented) Method according to claim 32, wherein the fixing of the bush is provided using a holder provided on the tool.
34. (Previously Presented) Method according to claim 18, further comprising inserting and fixing several transducer elements in the angled bush.
35. (Previously Presented) Method according to claim 18, further comprising pressing a shielding can into the bush.
36. (Previously Presented) Method according to claim 35, further comprising fixing the shielding can to a printed circuit board.

37. (Previously Presented) Method according to claim 36, further comprising soldering the shielding can to the printed circuit board.
38. (Previously Presented) Method according to claim 35, further comprising soldering the transducer unit to the shielding can.
39. (Previously Presented) Method according to claim 36, further comprising soldering the transducer unit to the shielding can.
40. (Previously Presented) Method according to claim 38, further comprising soldering the transducer unit to the shielding can by means of at least one clip provided thereon.
41. (Previously Presented) Method according to claim 18, further comprising bringing the bush into at least one of: a positive, a non-positive engagement, or a locking engagement with a printed circuit board.
42. (Previously Presented) Method for the manufacture of an angular transducer unit for an angular switching device, comprising:
 - inserting and fixing a transducer element in an angled bush, wherein the angled bush comprises a tubular component having an axial direction and an opening opening transversely to the axial direction for receiving the transducer element, the inserting and fixing of the transducer element in the angled bush comprising:
 - bringing the transducer element into aligned engagement with a transducer receptacle in a tool,
 - bringing the bush into an aligned, at least partial engagement with a bush receptacle appropriately constructed in the tool, to position the bush with respect to the transducer element,
 - fixing the transducer element in the bush, and

at least partially forming the bush receptacle by inserting or engaging a bush centring device in a tool body of the tool.